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From the	: IATIONAL SEA	RCHING AUT	HORITY				
То:					DCT 745 104		
YOON, Dong Yol					PCT		
9th Fl., Yosam Eldg, 648-23 Yoksam-dong, Kangnam-gu Seoul 135-748 Republic of Korea			ong. Kangnam-gu	WRITTEN OPINION OF THE COLD			
				(PCT Rule 43bis.1)			
				Date of mailing (day/month/year) 29 DECEMBER 2004 (29.12.2004)			
Applica	ant's or agent's fil	e reference		FOR FURTHER ACTION			
PCT-0)50326			See paragraph 2 below			
	ional application		International filing date		Priority date(day/month/year)		
	/KR2004/0		01 JUNE 2004 (01.		26 MARCH 2004 (26.03.2004)		
		sification (IPC)	or both national classifica	tion and IPC			
IPC7	A61K 7/40	····					
Applica	ani						
AMO	AMOREPACIFIC CORPORATION et al						
1. This	s opinion contain	s indications rela	ating to the following item	S:			
Box No. 1 Basis of the opinion							
	Box No. II	Priority					
	Box No. III	Non-establishn	ablishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of unity of invention							
X	Box No. V				velty, inventive step or industrial applicability:		
	Bex No. VI	Certain docum	planations supporting sucl	h statement			
				action			
	Box No. VIII		s in the international appli-				
X Box No. VIII Certain observations on the international application							
2. FUI	RTHER ACTIO	N					
lnie othe	rnational Prelimin er than this one to	nary Enamining be the IPEA and	Authority ("IPEA") excep	t that this does not ap ified the International	onsidered to be a written opinion of the ply where the applicant chooses an Authority Bureau under Rule 66.1bis(b) that written		
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.							
3. For further details, see notes to Form PCT/ISA/220.							

Name and mailing address of the ISA/KR

Authorized officer

Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu. Daejeon 302-701. Republic of Korea





ternational application No.	
PCT/KR2004/001303	

Box No. 1 Basis of this opinion		
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.	
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).	
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:	
	a. type of material a sequence listing table(s) related to the sequence listing	
	b. format of material in wirtten format in computer readable form	
	c. time of filing/furnishing contained in the international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search.	
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additioanl copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
4.	Additional comments:	

International application No. PCT/EE:2004/001300

Box No. V. Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Novelty (N)	Claims	1 - 10	YES
	Claims	None	МО
Inventive step (IS)	Claims	1 - 10	YES
	Claims	None	МО
Industrial applicability (IA)	Claims	1 - 1()	YES
	Claims	None	NO

2. Citations and explanations:

Reference is made to the following documents:

D1: KR 2003-64986 A D2: US 2003/162725 A1 D3: KR 2004-9983 A D4: US 6,277,396 B1

D5: US 6,437,004 B1

The present invention relates to a composition comprising an effective amount of Ginsenoside F1 and epigallocatechin-3-gallate for preventing skin damage.

D1 relates to a nanoemulsion comprising physiological active materials, such as epigallocatechin gallate and ginsenosides, using lipopeptide-based co-surfactant and a cosmetic composition containing the same.

D2 relates to a pharmaceutical composition comprising an effective amount of epigallocatechin gallate and ginseng root for treating obesity.

D3 relates to an extract, which is isolated from *Betula platyphyila var. japonica*, having the anti-oxidation effect and the anti-cancer activity.

D4 relates to a dietary supplement comprising the active ingredients such as epigallocatechins and ginseng root extracts.

D5 relates to a method for treatment of a skin damage using olive oil polyphenols.

1. Novelty

The subject matter of the present claims 1-10 is novel over the above D1-D5 and meets the criteria set out in PCT Article 33(2), because none of the prior art describes the composition comprising both Ginsenoside F1 and epigallocatechin-3-gallate for preventing skin damage recited in the present claims.

See Supplemental Box for the next parts.

International application No.

PCT/KR2004/001303

Box No. VIII	Certain observations on the international application	

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

"An inhibitor of the dephosphorylation of Rb protein..." in claim 8 does not define the matter for which protection is sought clearly due to the functional expression.

International application 116.

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In case the space in any of the preceding boxes is not sufficient. Continuation of:

V.

2. Inventive step

The subject matter of the present claims 1-10 complies with PCT Article 33(3), since the prior art including the above D1-D5 does not teach or fairly suggest that the composition comprising both Ginsenoside F1 and epigallocatechin-3-gallate can remarkably prevent skin damage from UV-E by control of expressing Bcl-2 and Em-3a; and remarkably prevent cell death from UV-E by inhibiting the dephosphorylation of Rb protein compared with the composition comprising Ginsenoside F1 or epigallocatechin-3-gallate.

3. Industrial applicability

Claims 1-10 also meet the criteria set out in PCT Article 33(4) and consequently, these claims are considered to be industrially applicable.